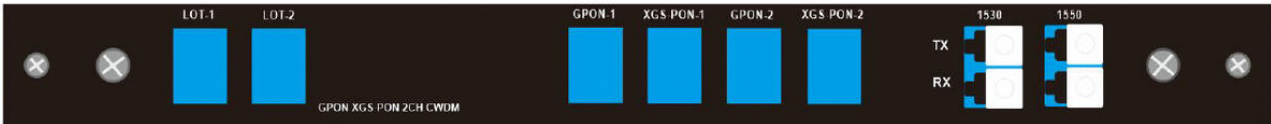


GF-2C-LGX04-XGSPON

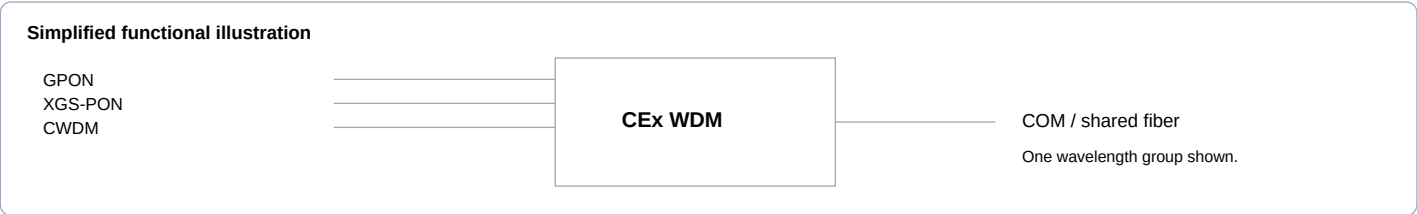
GPON + XGS-PON + 2 CWDM channels

1. Product overview

GPON + XGS-PON + 2 CWDM channels for coexistence of GPON / XGS-PON / CWDM over shared optical fiber. Wavelength-selective optical paths combine or separate the supported services, allowing access-network upgrades using existing fiber infrastructure.



Product image from the corresponding GLOBALfiber product page.



2. Key features

- Supports GPON / XGS-PON / CWDM
- Passive wavelength coexistence; no electrical power required
- Plug-in LGX housing for rack or cabinet installation

3. Applications

FTTH / FTTB access, GPON-to-XGS-PON migration, enterprise and campus access, and service-provider fiber infrastructure.

4. Technical data

Parameter	Specification
Configuration	GPON + XGS-PON + 2 CWDM channels
Optical interfaces	PON / COM SC/UPC; CWDM LC/UPC
Dimensions (W x D x H)	LGX: 215 x 150 x 20 mm
Net weight	LGX: 0.5 kg
Associated rack (separate housing)	1U; 440 x 160 x 44 mm; 2.5 kg in source table (see notes)
Fiber arrangement (website)	Dual fiber / fiber pair

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-40 to +85 °C
Storage temperature	-40 to +85 °C
Operating relative humidity	5 to 90% RH

GF-2C-LGX04-XGSPON

6. Optical characteristics

Values below are from the linked original PDF / identified family PDF. Bandpass and insertion loss apply to the corresponding COM-service path.

Service / path	Bandpass (nm)	Insertion loss (dB)	Isolation (dB)
GPON	1290-1330 / 1480-1550	<1.5	>30
XGS-PON	1260-1280 / 1575-1580	<1.5	>30
CWDM	1530 / 1550 (each ± 7.0)	<1.5	>30

Parameter	Specification
Uniformity	<0.8 dB
Return loss	>55 dB
Directivity	>55 dB
Polarization dependent loss (PDL)	<0.3 dB
Polarization mode dispersion (PMD)	<0.2 ps
Optical power handling	<300 mW

Insertion loss includes WDL, TDL and PDL, with two sets of mated connectors at both ends, as stated in the source PDF.

7. Digital diagnostics and management

No digital management or diagnostics interface is specified. This is a passive optical component.

8. Safety and regulatory

No product-specific safety classification, regulatory certification or compliance test is stated in the reviewed sources.

9. Ordering information

GLOBALfiber part number	Product description
GF-2C-LGX04-XGSPON	GPON + XGS-PON + 2 CWDM channels PON / COM SC/UPC; CWDM LC/UPC